

0015442, 092498

fig 1
Jim Cuth
8/10/98

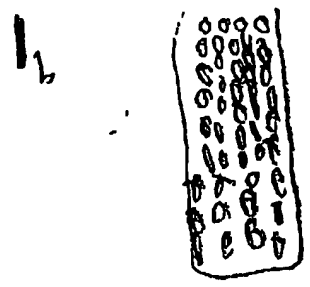
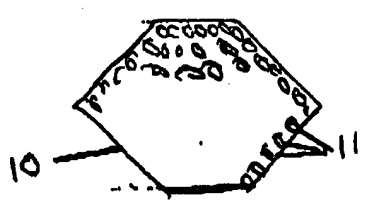


fig 2

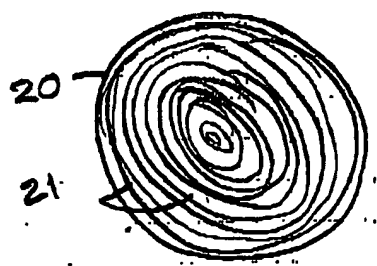


fig 2A

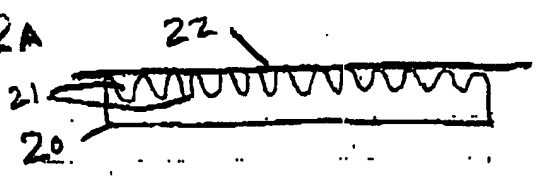


fig 3



fig 3a

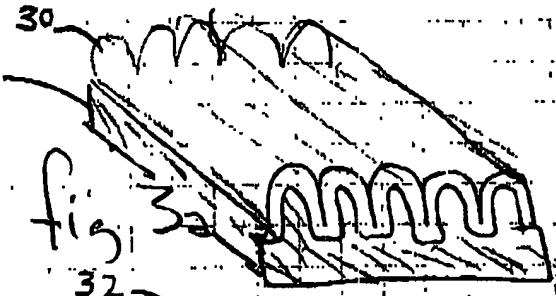


fig 4

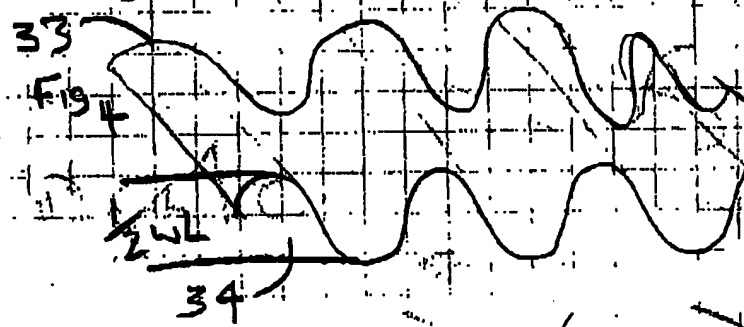


fig 3b



4a



fig 3b

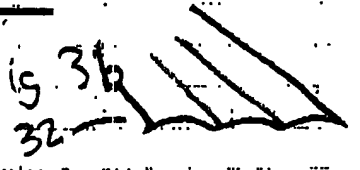
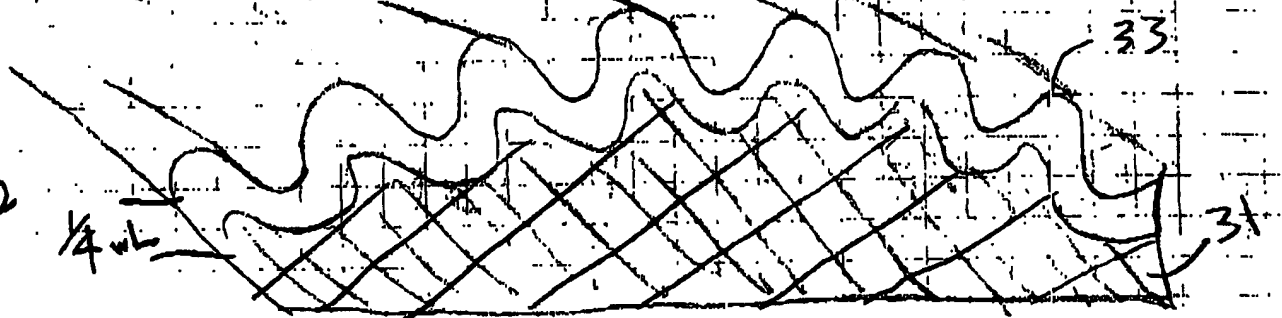


fig 4b



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Fig 3

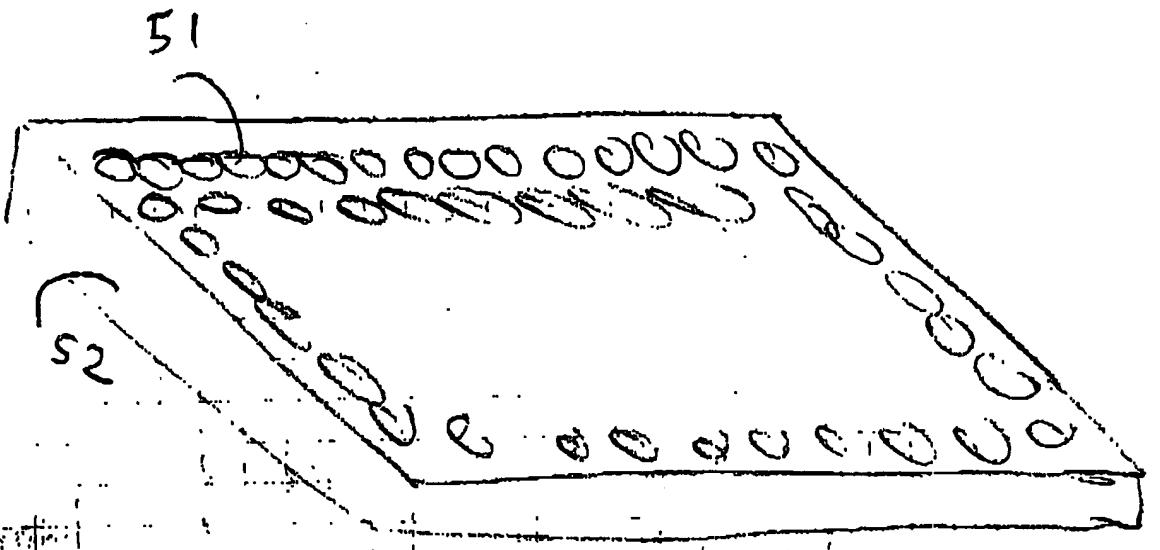


Fig 4a

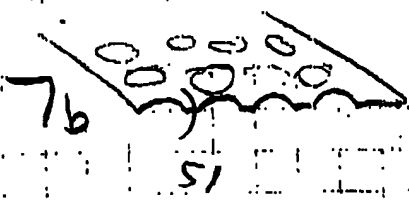
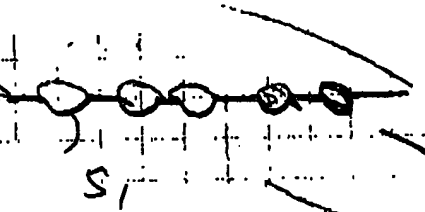
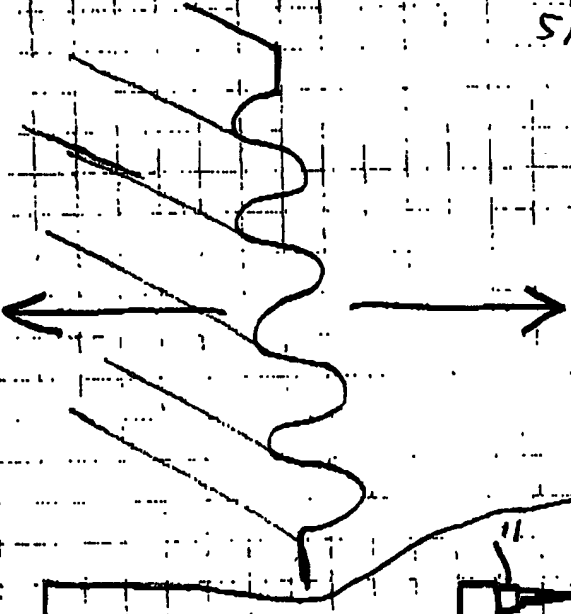


Fig 4c



Jim Cox
8/10/98

Fig 1c

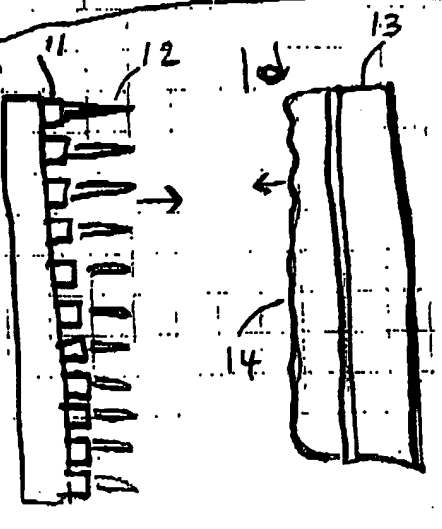
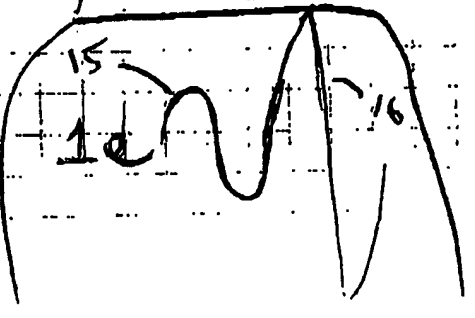
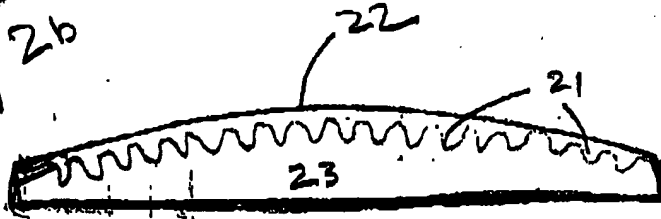
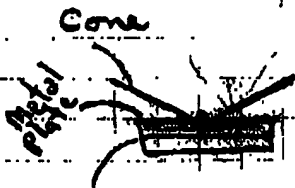


Fig 2b



curved Eel backbone



Piezo
bi-morph or bender

Ceramic Piezo material

Non conductive clamps

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